

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. QCPA990482	SERIAL NO. 09/382,438
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT GARDNER, ET AL.	
DATE MAILED: 6/21/00		FILING DATE 8/25/99	GROUP 2731

**RECEIVED**  
**JUN 27 2000**  
**GROUP 2700**

## U.S. PATENT DOCUMENTS

*EXAMINE R INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
DJR	A1 5 4 1 4 7 9 6	5/9/95	Jacobs, et al.	395	2.3	1/14/93
DJR	A2 5 1 0 3 4 5 9	4/7/90	Gilhousen, et al.	375	1	6/25/90
	A3					
	A4					
	A5					
	A6					
	A7					
	A8					

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	B1						
	B2						
	B3						
	B4						
	B5						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

DJR	C1	Eng, et al. "Comparison of Hybrid FDMA/CDMA Systems in Frequency Selective Rayleigh Fading" <b>IEEE J. of Selected Areas of Communications</b> 12(5): 938-951 (1994).
DJR	C2	Foerster, et al. "Analysis of Hybrid Coherent FDMA/CDMA Systems in Ricean Multipath Fading" <b>IEEE Transactions on Communications</b> 45(1): 15-18 (1997).
DJR	C3	Jalali, et al. "Performance Comparison of Direct Spread and Multicarrier CDMA Systems" <b>IEEE</b> : 2042-2046 (1998).
EXAMINER	DATE CONSIDERED	
Daniel Ryan	15 July 2002	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) <b>MAIL DATE CANCELLED</b> <b>JUN 13 2000</b>		APPLICANT GARDNER, ET AL.		
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<b>DJR</b>	C4	Kim, et al. "The Performance Improvement of a Multicarrier DS-CDMA System Using Both Tim-Diversity and Frequency Offset" <b>ETRI J. 21(4): 29-40 (1999).</b>
<b>DJR</b>	C5	Kondo, et al. "Performance of Multicarrier DS CDMA Systems" <b>IEEE Transactions on Communications 44(2): 238-246 (1996).</b>
<b>DJR</b>	C6	Ling, Fuyun "A Matched Filter Bound Analysis of Single- and Multi-Carrier DS CDMA Communications" <b>1997 Asia Pacific Microwave Conference</b> pgs. 161-164.
EXAMINER <b>Daniel Ryman</b>		DATE CONSIDERED <b>15 July 2002</b>
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	A1					
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OTIP JC125 JUN 23 2000 PATENT & TRADEMARK OFFICE

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	B1						
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	B3						
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	B5						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

DJR	C7	Lee, et al. "Direct Sequence Spread Spectrum Walsh-QPSK Modulation" <b>IEEE Transactions on Communications 46(9): 1227-1232 (1998).</b>
DJR	C8	Lee, et al. "Performance of a Modified Multicarrier Direct Sequence CDMA System" <b>ETRI J. 19(1): 1-11 (1997).</b>
DJR	C9	Rowitch, et al. "Coded Multicarrier DS-CDMA in the Presence of Partial Band Interference" <b>IEEE pgs. 204-209 (1996).</b>

EXAMINER <i>Daniel Pyman</i>	DATE CONSIDERED 15 July 2002
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DTR	C10	Xu, et al. "On the Performance of Multicarrier RAKE Systems" IEEE pgs. 295-299 (1997).
DTR	C11	Xu, et al. "Performance of Multicarrier DS CDMA Systems in the Presence of Correlated Fading" IEEE pgs. 2050-2054 (1997).
DTR	C12	Ziemer, et al. "Effect of Correlation Between Subcarriers of an MCM/DSSS Communication System" IEEE pgs. 146-150 (1996).
EXAMINER <i>Daniel Ryznar</i>		DATE CONSIDERED 15 July 2002

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